Actiontec® Creative Solutions for the Digital Life™

DSL Modem

with 4 Port Ethernet Router

Model # GT724R

Actiontec Electronics introduces its latest powerhouse DSL Modem, the GT724R. Building on years of DSL modem design and manufacturing, the DSL Modem is actually two products in one sleek package: a full-rate ADSL modem, and a 4-port switch. Why clutter your desk or bookcase or multimedia armoire with multiple units when one will do?

Even Easier to Use

In an effort to make the DSL Modem as uncomplicated as possible to deploy and use, the graphical user interface was redesigned from the ground up. Now it's a snap to check the status of the network or the broadband connection's IP address. Nearly all other configuration options are one or two clicks away, and the home page can be customized with specific Internet links or other online services.

Supports ALL Major DSL Providers

The DSL Modem has been rigorously tested to ensure compatibility with all major DSL providers. It adheres to leading DSL standards, ensuring a quick and painless connection to your DSL provider. Not only that, Actiontec has included its Auto-Connect tool, which allows you to connect to your DSL service rapidly and hassle-free. It's the easiest connecting DSL modem on the market today.

Security Comes First

The Modem also functions as an Internet firewall, providing the home network with robust protection from outside threats, like hackers or other individuals looking to snoop in personal files. Three different levels of protection allow your customer to customize the level of security.

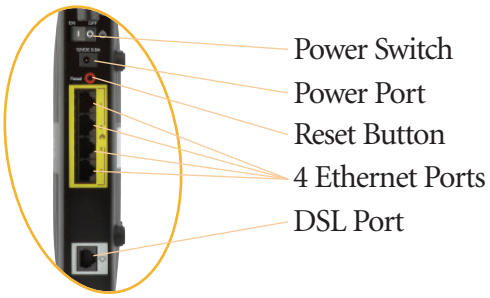
DSL Modem with 4 Port Ethernet Router

Features

- Integrated Wired 4 Port 10/100 Mbps Ethernet Switch
- Full-rate ADSL2+ modem – supports data rates of up to 24 Mbps downstream and up to 1 Mbps upstream*
- Exceeds performance of the DSL Forum specification
- Guaranteed loop reach of up to 18,000 feet using ADSL and 18,600 feet using ADSL2
- Tested and compatible with all major DSLAMs
- Advanced security: Firewall, Stateful Packet Inspection, NAT, website blocking, web service blocking, Internet traffic logging, Denial of Service (DOS) protection
- Other features include:

Bit Swapping
DHCP Server Option
Compliant with DSL Forum TR-48 Rate and Reach Requirements
DMZ Hosting
DNS Proxy Server
Dynamic Rate Adaptation
Independent upstream and downstream data rate provisioning
Mac Address Cloning
Multiple PVC supported
NAT Services Blocking
Port Forwarding
Real-time diagnostics
Remote Management
Services Blocking
Static Routing
Unnumbered Mode Support
VPN Pass Through
WAN IP & LAN IP Address Selection
Website Blocking

Ports at Rear of Unit



Technical Specifications

Features	Descriptions
ADSL	ITU G.992.1 (G.dmt), G.992.2 (G.Lite), G.994.1 (G.hs), G.992.3/4 (ADSL2), G.992.5 (ADSL2+) ANSI T1.413 Issue2
ATM	ATM User-Network Interface, Version 3.1, Section 3. The ATM Forum • The full VPI range (0 – 4095) and VCI range (1 – 65535) are supported • Adaptation Layers AAL5, AAL2 and AAL0 are supported • The traffic shaping function supports traffic classes CBR, VBR (real time and non-real time) and UBR (with PCR limiting)
OAM	ITU-T Recommendation I.610 B-ISDN "Operation and Maintenance Principles and Operations • F5 segment and end-to-end loopback cells
Ethernet	ISO/IEC 8802-3; ANSI/IEEE standard 802.3 part 3 • IEEE 802.3x – Full Duplex capable • IEEE 802.3u – Auto negotiation RFC 1213 "Management Information Base for Network Management of TCP/IP-based Internet: MIB-II" D-I-X "The Ethernet - A Local Area Network: Data Link Layer and Physical Layer Specifications"
Bridge	Transparent MAC level bridge for Ethernet-like devices in conformance with the IEEE 802.1d specification ISO/IEC 10038:1993 (E), Std 802.1D RFC 1213 "Management Information Base for Network Management of TCP/IP-based Internet: MIB-II" RFC 1493 "Definitions of Managed Objects for Bridges"

DSL Modem with 4 Port Ethernet Router

Technical Specifications (cont'd)

IP	RFC 791 "Internet Protocol" RFC 950 "Internet Standard Subnetting Procedure" RFC 1122 "Requirements for Internet Hosts – Communication Layers" RFC 1191 "Path MTU discovery" RFC 1213 "Management Information Base for Network Management of TCP/IP-based Internet: MIB-II" RFC 894 "Standard for the Transmission of IP Datagrams Over Ethernet Networks"
ARP	RFC 826 "Ethernet Address Resolution Protocol: Or Converting Network Protocol Addresses to 48-bit Ethernet Address for Transmission on Ethernet Hardware"
ICMP	RFC 792 "Internet Control Message Protocol"
UDP	RFC 768 "User Datagram Protocol"
TCP	RFC 793 "Transmission Control Protocol"
IP Router	Support Static Route Support Unnumbered Mode
RIP	RFC 1058 "Routing Information Protocol" RFC 1723 "RIP Version 2 - Carrying Additional Information" RFC 2453 "RIP Version 2" RFC 1812 "Requirements for IP Version 4 Routers" RFC 1191 "Path MTU Discovery"
DHCP Server	RFC 2131 "Dynamic Host Configuration Protocol" RFC 2132 "DHCP Options and BOOTP Vendor Extensions"
DHCP Client	RFC 2131 "Dynamic Host Configuration Protocol" RFC 2132 "DHCP Options and BOOTP Vendor Extensions" The DHCP client supports the following minimal subset of options described in RFC 2132: • Requested IP Address (requested by default; is mandatory) • Parameter Request list (subnet-mask only) • IP Address Lease time (dhcp-lease-time) • Client-identifier (dhcp-client-identifier) • Default route (routers) • DNS proxy servers
NAT, PAT (IP Masquerading)	RFC 2663 "IP Network Address Translator (NAT) Terminology and Considerations" RFC 3022 "Traditional IP Network Address Translator (Traditional NAT)"
NAT ALGs (Application Level Gateway) (NAT Pass Through)	FTP (over NATP) Netmeeting IPSec PPTP

NAT advanced features	Port Forwarding DMZ Service Blocking Web site blocking Web Activity Log
Firewall	Stateful Firewall: multiple security levels Basic IDS: Stateful Packet Inspection for prevention of Denial of Service (DoS) attacks
Universal Plug-N-Play (UPnP)	Internet Gateway Device (IGD) Standardized Device Control Protocol V 1.0
PPPoA	RFC 2364 "PPP Over AAL5"
PPPoE	RFC 2516 "Method for Transmitting PPP Over Ethernet (PPPoE)"
RFC 1483/2684	Supports bridged 802.3 Ethernet frames over an ATM network • LLC encapsulation, in which an LLC/SNAP header is prepended to the (Ethernet) frame • VC multiplexing, in which a null two byte header is prepended to the frame Default is LLC encapsulation; VC multiplexing can be configured using console command or WEB configuration • RFC 1483 "Multiprotocol Encapsulation Over ATM Adaptation Layer 5" • RFC 1213 "Management Information Base for Network Management of TCP/IP-based Internet: MIB-II" • RFC 2684 "Multiprotocol Encapsulation Over ATM Adaptation Layer 5"
TELNET	RFC 854 "Telnet Protocol Specification" RFC 855 "Telnet Option Specifications" RFC 857 "Telnet Echo Option" RFC 858 "Telnet Suppress Go Ahead Option"
FTP Server/Client	RFC 1350 "The TFTP Protocol (Revision 2)" FTP server is in boot loader only
Web Server and Web Based Configuration	RFC 1945 "Hypertext Transfer Protocol – HTTP/1.0" RFC 2068 "Hypertext Transfer Protocol – HTTP/1.1" (partial support) RFC 2617 "HTTP Authentication: Basic and Digest Access Authentication"
Environmental Operating Range	Operating Temperature: 0-40 degrees Celsius Humidity: 8-95% non-condensing
Power Requirements	Operating voltage: +12V DC +-5% @ 600mA max
Setup and Management	Plug-N-Play Install Web-based Management
Regulatory Compliance	FCC Class C, Part 15 & Part 68 UL
Limited Warranty	One Year

DSL Modem with 4 Port Ethernet Router

Minimum System Requirements

- PC or Macintosh with Ethernet
- Microsoft Windows 98SE, Me, 2000, XP, Vista; Mac OS 9 or higher; Linux/BSD, Unix
- TCP/IP network protocol installed
- Internet Explorer 5.0+ or Netscape 5.0+

Package Contents

- Actiontec DSL Modem
- Quick Start Guide
- Ethernet Cable
- User Manual on CD-ROM
- Power Cord
- DSL Cable

Note: Customers may request customized self-install kit configuration

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* Depends on the services offered by the Internet Service Provider.

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